CITATION SERIES,

SINGLE-LINE, PUSHBUTTON DIAL, DESK/WALL TELEPHONES

GENERAL DESCRIPTION

Figure 1: Citation Series, Single-Line, Pushbutton Dial, Desk/Wall Telephone

1. GENERAL DESCRIPTION

1.01 This document covers the Citation Series, single-line, pushbutton dial, desk/wall telephones. (See Figure 1.) A general description plus information peculiar to the Citation Series, single-line, pushbutton dial, desk/wall telephones is included.

1.02 Whenever this section is reissued, reason for reissue will be listed in this paragraph.

1.03 A replacement parts list and an exploded-view drawing for the telephones are contained in Section 50-020-101. Circuit labels are not provided for the telephones. Related documents of the CORTELCO Telephone Apparatus Practices Manual provide information on components.

1.04 The Citation Series telephones are single-line, pushbutton dial, anti-sidetone units that operate efficiently over a wide range of loop resistances and line impedances. The telephones are compatible with inductively-coupled hearing aid devices.

1.05 The Citation Series telephones are identified by a coded label affixed to the bottom of the telephone. Refer to ordering information in Table A for an explanation of each code number.

1.06 The Citation Series telephones are full-modular version telephones. Full-modular version telephones are equipped with a modular handset cord, a modular line cord for desk mounting, and a built-in modular line cord for wall mounting. The modular handset cord and the modular line cord are terminated on each end with modular plugs. The built-in line cord is terminated on one end with a modular plug and on the other end with spade tip connectors. This version is designated by the code letter M. (Refer to Table A.)

1.07 The Citation Series telephones are available as the Model 2020 Basic telephone, the Model 2021 Tel-Flash telephone, the Model 2022 Enhanced telephone, and the Model 2025 Tone/Pulse telephone. These telephones and all available variations are described in the following paragraphs.

TABLE A

ORDERING INFORMATION · TELEPHONES

CODE NUMBERS

TELEPHONE CODE NUMBERS ARE FORMED IN SIX STEPS AS FOLLOWS:

| | 2020 | 44 | M | DE | 21 | M |

(1) Type of Instrument (See Part 1)
(2) Color (See Part 2)
(3) Version (See Part 3)
(4) Ringer (See Part 4)
(5) Special Feature (See Part 5)
(6) Dial (See Part 6)

PART 1   TYPE OF INSTRUMENT

CODE	DESCRIPTION	COLOR OFFERED	VERSION OFFERED	RINGER OFFERED	FEATURE OFFERED	DIAL OFFERED
2020	Citation Basic, Single-Line, Pushbutton Dial, Desk/Wall Telephone	15, 44, 47, 62, 63, And 64 (Available On All Models)	M	DE	21	M
2021	Citation Tel-Flash, Single-Line, Pushbutton Dial, Desk/Wall Telephone		M	DE	27	F
2022	Citation Enhanced, Single-Line, Pushbutton Dial, Desk/Wall Telephone		M	DE	21	S
2025	Citation, Single-Line, Pushbutton Dial, Desk/Wall Telephone With Tone/Pulse Switch		M	DE	21	M

REFER TO INDIVIDUAL UNIT DESCRIPTION FOR COMPLETE DESCRIPTION OF FEATURE COMBINATIONS

PART 2 COLORS		PART 3 VERSIONS		PART 4 RINGERS		PART 5 SPECIAL FEATURES		PART 6 DIALS	
CODE	COLORS	CODE	VERSIONS	CODE	RINGERS	CODE	SPECIAL FEATURES	CODE	DIAL
15	White	M	Full-Modular (With Cords)	DE	Electronic	21	Standard Telephone With 9-Foot Handset Cord	M	Metropolitan (Letters & Numerals)
44	Light Ash								
47	Cherry Red					27	21 With Message Waiting Lamp	F	Tel-Flash
62	Mauve							S	Auto Dial
63	Dove Gray								
64	Wedgewood Blue								

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MODEL 2020** (   ) 21 (BASIC)

1.08 The Model 2020** (   ) 21 telephone is a single-line, pushbutton dial, desk or wall telephone equipped with Tone (Tel-Touch) dialing and a 9-foot handset cord.

MODEL 2020** (   ) 27 (BASIC)

1.09 The Model 2020** (   ) 27 telephone (no longer available) is the same as the Model 2020** (   ) 21 telephone with the addition of a message waiting lamp. The lamp is for use in PABX (Private Automatic Branch Exchange) applications to indicate a waiting message for the station user. It also flashes to indicate an incoming call.

MODEL 2020** (   ) 44 (BASIC)

1.10 The Model 2020** (   ) 44 telephone (no longer available) is the same as the Model 2020** (   ) 21 telephone with the addition of the A-lead control feature. The telephone provides

connections through the hookswitch that allow ground on the A1 lead to be applied to key telephone equipment by way of the A lead.

MODEL 2021** (   ) 21 (TEL-FLASH)

1.11 The Model 2021** (   ) 21 telephone (no longer available) is a single-line, pushbutton dial, desk or wall telephone equipped with Tone (Tel-Touch) dialing, a FLASH button, a RLSE button, and a directory for recording important numbers. It can be used with a PABX to provide a timed hookswitch flash and a timed line disconnect.

1.12 The hookswitch flash is activated when the station user presses the FLASH button. The line is momentarily disconnected for 600 milliseconds. The line disconnect is activated when the station user presses the RLSE (Release) button. The line is disconnected for 2.0 to 2.5 seconds and dial tone is returned to the station.

MODEL 2021** (   ) 27 (TEL-FLASH)

1.13 The Model 2021** (   ) 27 telephone is the same as the Model 2021** (   ) 21 telephone with the addition of the message waiting lamp. The lamp is for use in PABX applications to indicate a waiting message for the station user. It also flashes to indicate an incoming call.

MODEL 2022** (   ) 21 (ENHANCED)

1.14 The Model 2022** (   ) 21 telephone is a single-line, pushbutton dial, desk or wall telephone equipped with both Tone (Tel-Touch) and Pulse (Tel-Pulse) dialing. It is also equipped with the automatic dialing feature.

1.15 The automatic dialing feature allows the station user to store 9 frequently-used numbers, up to 18 digits each, and to automatically dial any of the numbers upon request.

1.16 A directory is provided for writing the numbers stored in each memory location.

MODEL 2025** (   ) 21 (TONE/PULSE)

1.17 The Model 2025 ** (   ) 21 telephone is a single-line, pushbutton dial, desk/wall

telephone equipped with a Tone/Pulse switch to select Tone (Tel-Touch) or Pulse (Tel-Pulse) dialing.

2. INSTALLATION

2.01 Installation of these telephones consists of inserting the modular line cord plug into an available modular wall jack.

3. MAINTENANCE

3.01 For replacement parts information and for an exploded-view drawing of major assembly groups, refer to Section 50-020-101.

4. OPERATION

A. Automatic Dialing

4.01 Automatic dialing can be performed with the Model 2022 telephone. A number can be stored into the automatic dialing memory directly or as the last number dialed.

4.02 To store a number directly into the automatic dialing memory:

(a) Leave the handset on-hook.

(b) Dial the number to be stored (including a pause when required).

(c) Press the STORE button.

(d) Press the pushbutton dial digit (1-9) to assign the number to a memory location.

Note: A 4-second pause can be stored as part of a number. To store a pause, press the PAUSE button followed by the rest of the number.

4.03 To store the last number dialed into the automatic dialing memory:

(a) Leave the handset on-hook.

(b) Press the STORE button.

(c) Press the pushbutton dial digit (1-9) to assign the number to a memory location.

4.04 To make a call using automatic dialing:

(a) Lift the handset and check for dial tone.

(b) Press the MEMORY button.

(c) Press the pushbutton dial digit (1-9) that corresponds to the memory location of the desired stored number.

B. Redial

4.05 The redial feature can be performed with the Model 2021 and 2022 telephones. To automatically redial the last number dialed:

(a) Lift the handset and check for dial tone.

(b) Press the REDIAL button.